

Claims:

1. An image intensifier camera comprising:  
5 a fluoroscopic image imaging optical system including a front lens group, an aperture stop, and a rear lens group;  
an image pickup device; and  
a signal processing circuit,  
wherein the fluoroscopic image imaging optical system further includes an image  
10 inverse prism which is rotatably installed between the front lens group and the rear lens group, reflects incident light beams incident thereto a plurality of times, and outputs a mirror image by rotating an original image and inverting the left and right sides of the original image or the rotated original image.

15 2. The image intensifier camera as set forth in claim 1, wherein the image pickup device has an electric circuit for converting the mirror image back to the original image.

3. The image intensifier camera as set forth in claim 1, wherein the image inverse prism is a Pechan prism.  
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4. The image intensifier camera as set forth in any one of Claims 1 to 3, wherein an input window and an output window of the image inverse prism are planes perpendicular to an optical axis.

25 5. The image intensifier camera as set forth in any one of Claims 1 to 3, wherein in the fluoroscopic image imaging optical system, the front lens group and the rear lens group are distanced from each other to have an optical path length equal to a cumulative optical path length of the Pechan prism there between.

30 6. The image intensifier camera as set forth in claim 5, wherein the Pechan prism has a refractivity higher than 1.7.

7. The image intensifier camera as set forth in claim 5, wherein the aperture stop is provided between the image inverse prism and the image, the front lens system has a negative refractivity and the rear lens system has a positive refractivity if the object to be examined is greater than the image in size.

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8. The image intensifier camera as set forth in claim 5, wherein the aperture stop is provided between the image inverse prism and an object to be examined, the front lens system has a positive refractivity and the rear lens system has a negative refractivity if the object to be examined is smaller than the image in size.

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